

Gazophylaci Naturæ & Artis ; Decaf. 1.

In qua *Animalia, Quadrupeda, Aves, Pisces, Reptilia, Insecta, Vegetabilia* ; item *Fossilia Corpora, marina, & stirpes Minerales e Terra eruta, Lapides figura insignes, &c.* Descriptionibus brevibus & Iconibus illustrantur. Hisce annexa erit supellex Antiquaria, Numismata, Gemmæ Excisæ & Sculpturæ, Opera Figulina, Lucernæ, Urnæ, Instrumenta varia, Inscriptiones, Busta, reliquaque ad rem priscam spectantia ; Item *Machinæ, Effigies Clarorum Virorum*, omniaque *Arte producta.* A Jacobo Petiver Pharmacop. Lond. & Regiæ Societatis Socio.

Londini ex Officin. S. Smith in Cœmetro D. Pauli, & Christ. Bateman in vico vulgo dicto Pater-Noster-Row. 1702.

THe most Industrious *Author* of these *Decades* in *Natural History* hath for many years last past procured at his own private Expence many and great Collections of *Plants, Quadrupeds, Birds, Fishes, Insects, Shells, Figur'd Stones*, and other *Fossils* ; and continues still to receive fresh and rich Cargoes of such natural products (many of which in perfection) from his very numerous Correspondents in the *East and West Indies, in Africa*, and most parts of *Europe*. Some Specimens whereof he hath already given in his *ten Centuries*, and designs a publication of others with elegant and lively *Icons* (besides Explications) by way of *Decades*, which will convey a most clear and lasting Idea of the things

things themselves, and leave to posterity many noble materials towards raising the immense structure of *Nature*, which is not to be carried on without the joint stock of all Ages, and the generous contributions of such as think fit to promote the liberal Arts and Sciences, whose *Benevolence* in this kind our Author is so grateful as to commemorate by particular Inscriptions of their *Names*, fixt on his perennial Tables, far more durable and extensive than Pyramids, or Pillars, or any other artificial Monuments.

'Tis not therefore to be doubted but this Design of our *Ingenious* and *Laborious Undertaker* will meet with general encouragement, by reason of the Beauty and Majesty of the Subject, no less than God's Creation, wonderful and useful in all its parts, to the Life of Man, and none of the least amongst the many irresistible, antidotes against Atheism.

One Advantage will accrue, by publishing these things in *Decades*, that of preserving them entire ; which are too often mangled, absconded, or scatter'd by change of hands, if not utterly lost for want of some little encouragements from the publick to multiply Copies of them in the manner propos'd by the Author, who without the least affectation or vanity deserves all just and reasonable contributions for defraying his first Costs, if not for rewarding his pains in Commenting, Illustrating, Drawing and Engraving ; a Proof whereof is here given in a few particulars of the first *Decade*.

The second *Decade* is just finish'd, and the third ready for the Press.

GAZOPHYLACUM NATURÆ & ARTIS. Tab. I.

Fig. 1. **T**O begin with Fig. 1. This little beautiful *American Lizard* is very peculiar in the singularity of its blue Shining Tail, and is found about the Trees in *Maryland*.

5. The *Cochineal* was never yet given in its 3 different states or several changes, which by no body but the Author has till now been observed.

9. This is a very specious Plant from the *Cape of Good Hope*, and is rankt amongst those Flowers which the *Spanish Nuns* call *Perpetuana*, because they never wither.

12. A very elegant *aquatick Plant* from *Virginia*, bearing a beautiful Spike of blue Flowers.

The Author dedicates this Table to his Grace the *Arch-Bishop of Canterbury*.

Tab. 2. In this Place the Author has shewn his various Tab. II. Correspondents, by producing something from each corner of the World, viz. In *Europe* an elegant *Capricorn Beetle* from *Normey*, with a greenish *Butterfly* in *England*, not commonly met with. He discovers from *Asia* an odd Shrub from the borders of *Persia*, and a sort of *Schœnanth* from the Coasts of *Cormandel*. From the *Cape of Good Hope* he gives you the Figures of two new woolly headed *Heaths*, with a singular grass from the *Coast of Guinea*, and a sort of *Jehuenmen* or bastard Wasp from *Cape Mount Serrado*, these 4 from *Africa*; and from *America* we have a *yellow Pimpernel* with stellated leaves, there being nothing like it from the three

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other parts of the World as yet discovered; to this he adds a very beautiful *Beetle* and an oculated *Butterfly*.

This Table is presented to the *Bishop of London*.

Tab. III. Tab 3. Fig. 1. Here is figur'd a very uncommon *Libella* or *Adderbolt*, far different from all our *English Kinds*, with clouded Wings like those of a *Locust*: This was caught about *Aleppo*. The two next are beautiful spotted *Moths*, the first from *America*, the other from *India*, caught also about *Montpelier*, by that curious Collector of all Rarities, Mr *Charlton*; whereby we observe some things common to *Asia* and *Europe*, as well as *America*, which Dr *Sloan* in his Catalogue of *Jamaica Plants* has given us no small instance of: In this Plate are also discovered some other new *Insects*, *Shells* and *Plants*, with the Figure of a beautiful *Humming Bird*, whose Throat is of so flaming a lustre, as is scarce to be lookt on, especially if the Sun shines on it.

The *Dutchess Dowager of Beaufort* was a generous Benefactress to this Table.

Tab. IV. Figure 1. In the 4th Table he presents you with a genuine *Cicada* from the *Cape of Good Hope*, very different from any in *Europe*, the *Philippine Adiantum* at Fig. 4. is perhaps one of the oddest in Nature; this he copies from a design the Learned *Father Camel*, a person extremely curious in all parts of natural History, sent Mr *Ray* and him: He hath also received many other things very uncommon, which you will see in this and the following Decades.

His two varieties of the *Blatta Bizantina* and his Synonyms of them are not a little curious: As also a Figure of a *Stella marina* from *China*, whose form is wonderful; he concludes with a green sort of a *Sponge*, which Dr *Nissolle*, a curious Physician and Botanist, sent him from *Mompelien*.

The Right Honourable *Charles Earl of Dorset and Middlesex* has the Dedication of this Plate.

Tab. V. In this 5th Table are several curious and beautiful Plants from the *Cape of Good Hope*, with three others, one from *Asia*, another from *America*, and the last both from *Africa* and

and the *East Indies*; he likewise supposes it to be *European*; his *Synonyms* are many, and *Conjectures* probable: Besides these, some *Shells*, and a beautiful *American Echinus* or Sea Egg. He in this *Table* gives you a wonderful *Aurelia* or *Insect Case*, which by some is said to be the product of the *Bengall Silk*; it has this peculiar and strange, *viz.* at the extremity of a long pedicle or foot-stalk is adjoyned a Ring, thro which wonderful Nature fastens it to the twigs of Trees; but for a better Idea of it, I inter you to its Figure.

His Encourager of this Plate is Sir *John Hoskyns*, one of the Masters in *Chancery* and *V. P. R. S.*

Here we present you, *viz.* Tab. 6. First a non-descript Tab. VI. Bird from *Maryland* with a golden or yellow Throat, and from the same place an odd Plant with a globular white head, which he calls *Randalia*, from the first Discoverer of this Tribe. From *China* and its adjacent Coasts are two or three peculiars discovered, *viz.* A Fir-leaved Cypress from *Chusan*, an Island near *Liampo*: A White Cowry from *Emmy* with a Saffron circle, and a very singular cristated Barnacle from both these places, which he conjectures the accurate *Rondeletius* may have seen by a Figure only he gives which much resembles it; the rest of the Plate is taken up with Plants from the Cape of Good Hope, and some *Exotick Animals* from *Africa* and *America*; from which last place he gives you a small Fly with wonderful large feather'd Horns.

The Honourable Capt. *Charles Hatton* has the Presentation of this Table.

Two elegant Cape Plants are the beginning of this 7th Tab. VII. Table, with a *Pellitory of the Wall* from the *Canaries*, altogether different from what we have yet seen: To these succeed two *Foreign Butterflies*, and three *English Moths*, which last were discovered by a very curious Gentlewoman in the West of England, all which are wholly new. Fig 9. presents you with a *Humming Bird* of the largest size, with an elegant yellow speckled head, and this is the greater rarity, because it's not only the first Bird we have yet seen

the Figure of from the *Cape of Good Hope*, but we knew none of this kind before common to any other part than *America*. At Figure 6 is a very odd *Aurelia* or *Caseworm*, covered with bits of twigs like some of our *Caddus's*, this was sent him from *Carolina*. He concludes this Plate with a *Vegetable*, we are obliged to him for the clearer knowledge of, viz. the *Canary Orchili*, a sort of *Moss* growing on the *Rocky Mountains* in those Islands. This the *Spaniards* use to give a fine Dye to their *Spanish Leather*.

Dr *Martyn Lister*, one of her Majesty's Physicians and F. R. S. obliged him with this Table.

Tab. VIII. The greatest part of this 8th Plate is taken up with a vast large and wonderful *Phalena* or *Moth*, one of the biggest any *Museum* could ever yet boast of, being full nine inches between the tips of each Wing, and proportionably broad; this was sent him first from *Dantzick*, but came from the *East Indies*; the rest are some *Plants* from the *Cape of Good Hope*, with *Insects* and *Shells* from divers parts of the World, particularly a Curious *Rhinoceros Beetle* from *Portugal*, and a very elegant *Capricorn*, sent to him from *Moscow* by one of the *Czar's Physicians*.

That Curious Observer Dr *Tancred Robinson*, Fellow of the *Colledge of Physicians* and *Royal Society* has the dedication of this Plate presented to him.

Tab. IX. The ninth Table begins with the several changes of a little *Turtle Beele* from the *Philippine Isles* observed there, and very accurately delineated by the Reverend *Father George Joseph Camel*, a person very curious in all parts of Natural History, and has promised this Author the communication of them, which will be no small discovery from so remote a part of the World. Here follows some *Shells*, one of which is a *Balanus* very singular brought him from the *Isle of Ascension*, which with other things the *Island affords*, he has given an account of in the *Philosoph. Transactions*, No 255. Here are 3 *Papilios*, two from *Angola*, and one from the *Cape*, all very beautiful with two *Tipule*

or *Water-spiders*, both which the Author hath observed in some Ponds about *London*. But above all we must not omit a very odd Animal, viz. A *Flying Quàdrupede* which Father *Camel* sent him a design of, by the name of *Cato-Simius volans* or *Flying Cat Monkey*; the Author has described it in the *Philosoph. Transf.* No 277. whither I refer you, and here for its Figure, which is indeed very strange. Here are also two *Algas* or *Sea Weeds*, the last a very elegant one from the *Cape of Good Hope*, sent him from that curious Correspondent of his, Mr *John Starremberg*.

The Author Dedicates this Table to Dr *Hans Sloan*, Fellow of the Colledge of Physicians, Secretary of the Royal Society, &c.

The last Table of this Decade is compos'd of sundry curious Animals and Vegetables, amongst the first, is a very beautiful *Tricolor Snake*, from the *Cape of Good Hope*, compos'd of red, yellow and black; and a Bird from the same place, the greatest part scarlet, much resembling our *Virginia red Bird* or *Nightingale*, but is peculiarly different in having a cleft Bill; here are also some *Shells* Figured, and an *American Scarab* or *Beetle*, with two black orbicular velvety spots, resembling Eyes very particular; to these are added two rare *Butterflies*, the 1st Fig. 6. a yellowish one with spots of black and blew, the only one the Author had ever seen, the other a very elegant caudated *Papilio*, besprinkl'd underneath with curious blistery spots, shining like Silver over laid with a Golden lustre, both these out of Mr *Charlton's* noble *Museum*, which is now in the hands of Dr *Sloan*, who himself had before a vast Collection of all natural things, and not only from *Jamaica* where he personally was, but has and does daily add to them at his no small Expence, whatever can be procured both from abroad and at home. Our Author concludes with a *Coralline* incrustrated *Moss* from *Scoiland*, and a very curious blew speckl'd *Corall* observ'd in the *Philippine Isles*, by that most industrious Naturalist *George Joseph Camel*, from whom he hath lately received

Tab. X.

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ceived several other very curious rarities, which he promises to present you withal in his succeeding *Decades*

He Dedicates this *Table* to his Benefactor Mr *John Owen*.

The Author his *Second Decade* is just finished, and his third is in great forwardness, above half being already done.

L O N D O N, Printed for *Sam. Smith*, and *Benj. Walford*, Printers to the Royal Society, at the *Prince's Arms* in *St Paul's Church-yard*.

Philosophical Transaction, No 284.

E R R A T A.

P Age 1358s l. 3. for *and r. or.* p. 1361. l. 2. also. p. 1363. l. ult. for *had r. have.* p. 1365. l. 15 for *highly r. lightly.* p. 1368, l. ult. for. *e r. c.* p. 1369. l. 28. del. *number.* p. 1371. l. 6. for *a r. the.* *ibid.* l. 29. 1. *Mechanism.*

Fig: 1.

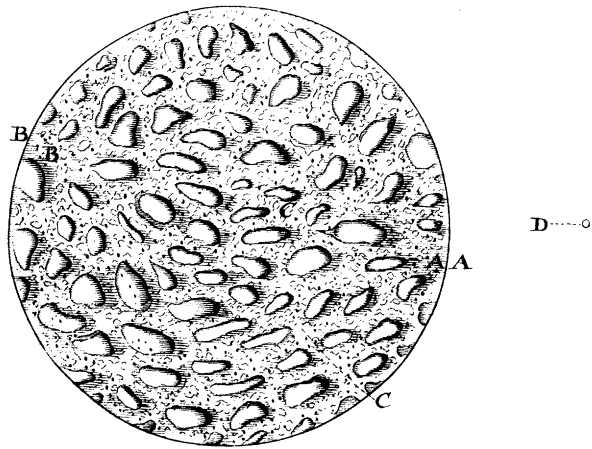


Fig: 2.

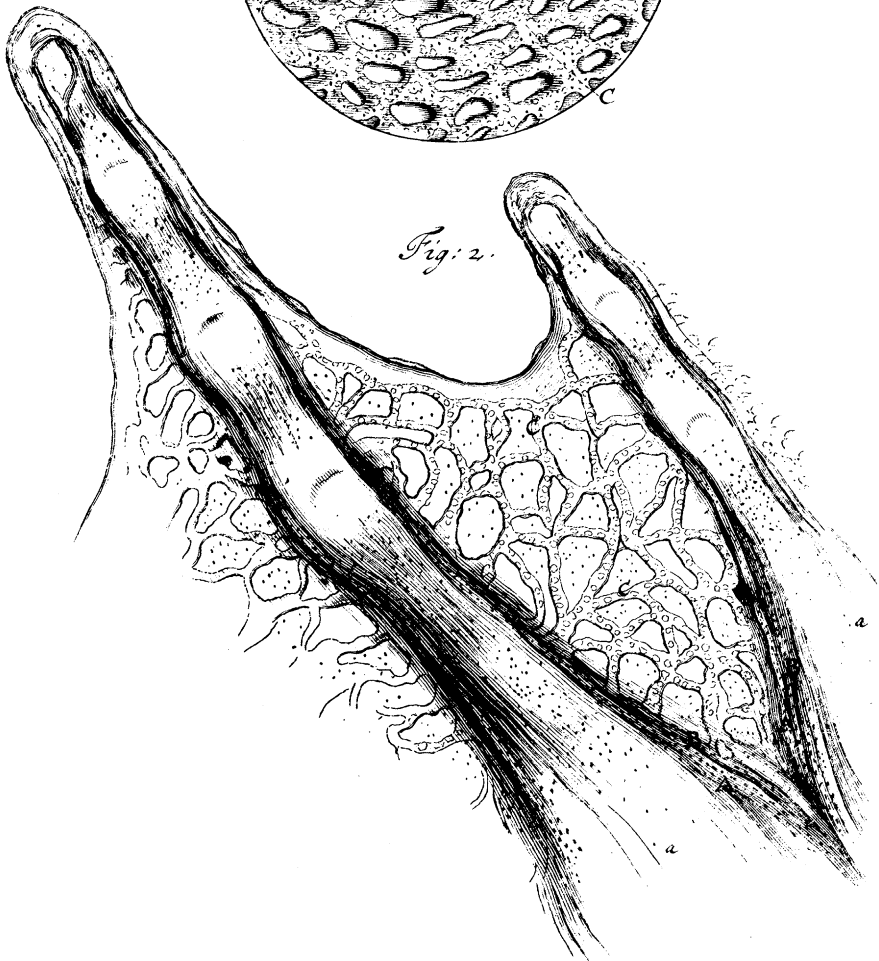


Fig: 3.

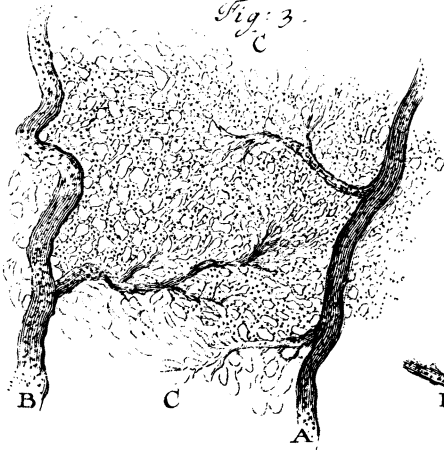


Fig: 4.

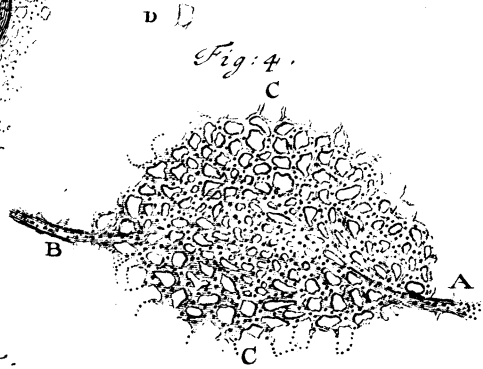


Fig: 5.

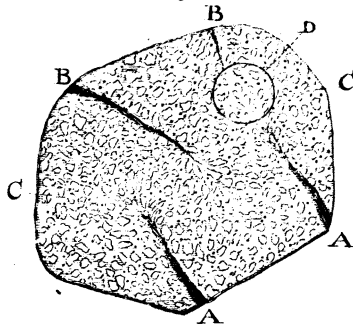


Fig: 6.

